

CLAIM AMENDMENTS

1. (Currently Amended) ~~An~~ A manually operated extraction device for use in a casting apparatus to remove a stuck cast part, the casting apparatus including a moveable mold section and a stationary mold section so that when the moveable mold section is in a closed position and in contact with the stationary mold section a part shape cavity is defined, said manually operated extraction device comprising:

~~an~~ a manually operated extraction member disposed in the stationary mold section during the casting of a cast part, said extraction member disposed adjacent the part shape cavity and selectively moveable between a first position, wherein ~~the said~~ manually operated extraction member cooperates with the mold sections to form a part of the part shape cavity, and a second position, wherein said manually operated extraction member is operative to engage and eject the stuck cast part from the stationary mold section of the part shape cavity.

2. (Currently Amended) The extraction device according to Claim 1 wherein said manually operated extraction member is disposed in a cavity provided in the stationary mold section.

3. (Currently Amended) The extraction device according to Claim 1 wherein said manually operated extraction member includes a shoulder for supporting said manually operated extraction member on a ledge of the stationary mold section to prevent flash into said cavity thereof during a casting process.

4. (Currently Amended) The extraction device according to Claim 1 wherein said manually operated extraction member includes a manually actuated lever, a lock, a plate, a pin, and at least a first threaded fastener which is operative to releasably secure said manually operated extraction member in the stationary mold.

5. (Currently Amended) ~~An~~ A manually operated extraction device for use in a casting apparatus to remove a stuck cast part, the casting apparatus including a moveable mold section and a stationary mold section so that when the moveable mold section is in a closed position and in contact with the stationary mold section a part shape cavity is defined, said manually operated extraction device comprising:

~~an~~ a manually operated extraction member disposed in a cavity of the stationary mold section during the casting of a cast part, said manually operated extraction member disposed adjacent the part shape cavity and selectively moveable between a first position, wherein ~~the~~ said manually operated extraction member cooperates with the mold sections to form a part of the part shape cavity, and a second position, wherein said manually operated extraction member is operative to engage and eject the stuck cast part from the stationary mold section of the part shape cavity, said manually operated extraction member includes a manually actuated lever, a lock, a plate, a pin, and at least a first threaded fastener which is operative to releasably secure said manually operated extraction member in the cavity of the stationary mold.

6. (Currently Amended) The extraction device according to Claim 5 wherein said manually operated extraction member includes a shoulder for supporting said manually operated extraction member on a ledge of the stationary mold section to prevent flash into said cavity thereof during a casting process.

7. (Currently Amended) A casting apparatus comprising:  
a stationary mold section;  
a moveable mold section which is moveable relative to said stationary mold section between an opened position and a closed position, in said closed position said moveable mold section in contact with said stationary mold section to define a part shape cavity; and

a manually operated extraction device for removing a stuck cast part from said stationary mold section, said manually operated extraction member disposed in said stationary mold section during the casting of the cast part, said manually operated extraction member disposed adjacent said part shape cavity and selectively moveable between a first position, wherein said manually operated extraction member cooperates with the mold sections to form a part of said part shape cavity, and a second position, wherein said manually operated extraction member is operative to engage and eject the stuck cast part from said stationary mold section of said part shape cavity.

8. (Currently Amended) The casting apparatus according to Claim 7 wherein a plurality of said manually operated extraction devices are disposed in said stationary mold section.

9. (Currently Amended) The casting apparatus according to Claim 7 wherein said manually operated extraction member is disposed in a cavity provided in said stationary mold section.

10. (Currently Amended) The extraction device according to Claim 7 wherein said manually operated extraction member includes a shoulder for supporting said manually operated extraction member on a ledge of said stationary mold section to prevent flash into said cavity thereof during a casting process.

11. (Currently Amended) The extraction device according to Claim 7 wherein said manually operated extraction member includes a manually actuated lever, a lock, a plate, a pin, and at least a first threaded fastener which is operative to releasably secure said manually operated extraction member in the stationary mold.

12. (New) The extraction device according to Claim 4 wherein said first threaded fastener is operative to releasably secure said lever, said lock and said plate to the stationary mold section.

13. (New) The extraction device according to Claim 4 wherein said pin extends through an opening provided in said lever.

14. (New) The extraction device according to Claim 5 wherein said first threaded fastener is operative to releasably secure said lever, said lock and said plate to the stationary mold section.

15. (New) The casting apparatus according to Claim 14 wherein said first threaded fastener extends through non-threaded openings provided in each of said lever, lock and plate and is threadably received in a threaded opening provided in the stationary mold section to thereby releasably secure said lever, lock and plate to the stationary mold section.

16. (New) The extraction device according to Claim 14 wherein said pin extends through an opening provided in said lever.

17. (New) The extraction device according to Claim 7 wherein said manually operated extraction member includes a manually actuated lever, a lock, a plate, a pin, and at least a first threaded fastener which is operative to releasably secure said manually operated extraction member in the stationary mold.

18. (New) The casting apparatus according to Claim 17 wherein said first threaded fastener extends through non-threaded openings provided in each of said lever, lock and plate and is threadably received in a threaded opening provided in said stationary mold section to thereby releasably secure said lever, lock and plate to said stationary mold section.

19. (New) The casting apparatus according to Claim 17 wherein said manually operated extraction member further includes a second threaded fastener disposed in said plate.

20. (New) The casting apparatus according to Claim 19 wherein said second threaded fastener is threadably disposed in a threaded opening provided in said plate.